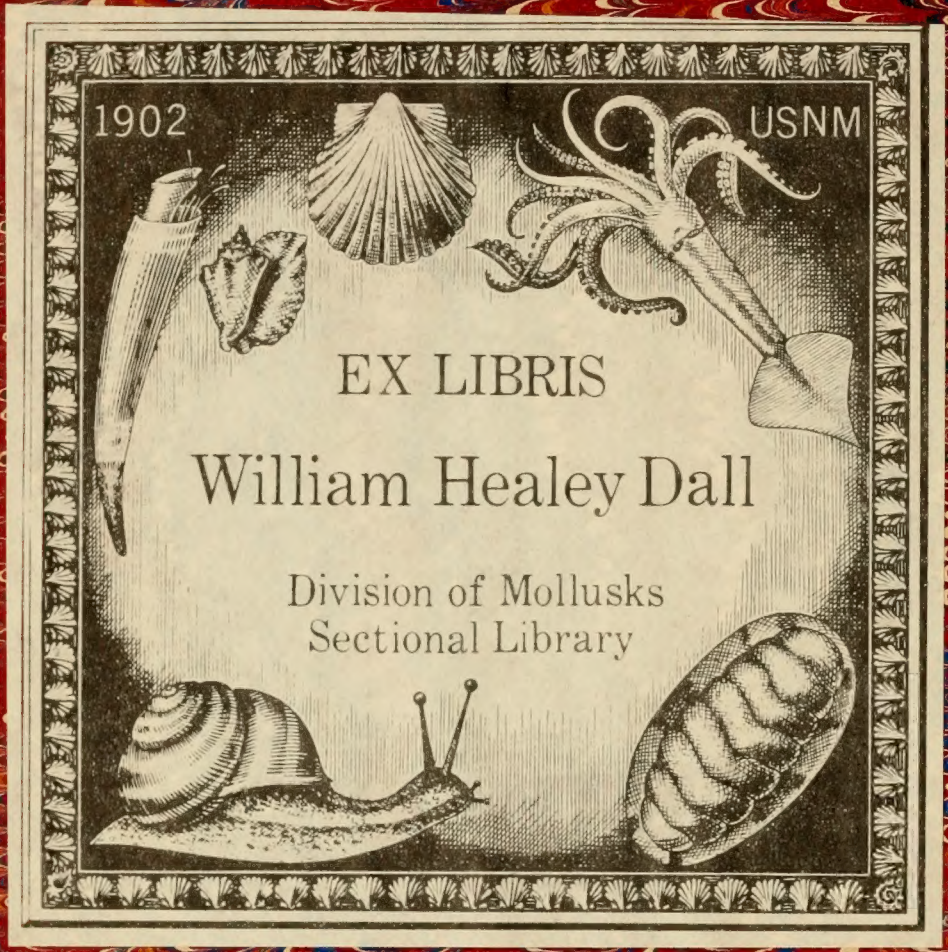
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N. E. *Astarte crenata* Gray (=*A. lens* Stimp.).
* S. *Leda unca* Gould.
* N. E. *Leda pernula* (Müll.).
* E. *Yoldia expansa* Jeff.?
* N. E. *Yoldia frigida* Torell.
* N. G. E. *Arca glacialis* Gray.
N. E. *Arca pectunculoides* Scacchi.
* E. *Limopsis cristata* Jeff.?
* E. *Limopsis minuta* (Phil.).
* * *Modiola polita* V. & S.
* S. *Avicula hirundo?* var. *nitida* V.
* N. E. *Pecten vitreus* (Gmel.) Wood.
N. E. *Pecten Hoskynsi* Forbes, var. *pustulosus* V.
* E. *Pecten fenestratus* Forbes?
* * *Pecten*, sp. (near *opercularis*).
* E. *Limæa subovata* (Jeff.) Monter.

PART III.—CATALOGUE OF MOLLUSCA RECENTLY ADDED TO THE FAUNA OF SOUTHERN NEW ENGLAND.

By A. E. VERRILL.

The following lists include 130 species of Mollusca that have recently been added to the fauna of Southern New England, mainly through the researches of the dredging party of the United States Fish Commission on the steamer "Fish Hawk". The greater portion of these, with several others undetermined or not yet described, were taken on September 4 and 13 and October 2, on the outer bank or slope, 70 to 115 miles south from Martha's Vineyard and Newport, R. I., in 65 to 500 fathoms. For a list of these localities see p. ——.

In these lists those species which were unrecorded from or entirely new to New England or to the northeastern coast of America are indicated by an asterisk; previously undescribed species by two asterisks; those known previously from our northern coasts have N prefixed; those from the middle parts of the coast have M, and are neither specially southern nor northern; those oceanic species belonging to the surface fauna have O prefixed; southern forms are designated by S; those that are also known from Europe are designated by E; those peculiar to America by A.

In the tables, living specimens are indicated by an *asterisk;* dead ones by a *dagger; m* signifies many; *sv*, several; *r*, rare; *l*, unusually large; *j*, young.

List of Mollusca from the outer banks previously unknown south of Cape Cod.

	Stations	865 to 867	872 to 874	870 to 878	869	879 880 895	893 894	891 892
	Depths in fathoms	64 to 65	85 to 100	115 to 155	192	225 to 252	365 to 372	487 to 500
	CEPHALOPODA.							
**	Calliteuthis reversa Verrill	.....	.....	.....	.....	.....	* 1	.....
**	Heteroteuthis tenera Verrill	* m.	* m.	* m.	* m.	* sv.	.....	.....
N. A.	Rossia sublevis Verrill	.....	.....	* 2	* sv.	* 3	* 2	.....
N. E.	Octopus Bairdii Verrill	.....	*	* sv.	* sv.	* sv.	* sv.	* 1
**	Alloposus mollis Verrill	.....	.....	.....	.....	* 3	* 2	* 1
* O. E.	Argonauta Argo Linné	†	.....	†	.....	.....	.....	† 3

List of Mollusca previously unknown south of Cape Cod—Continued.

	Stations	865 to 867	872 to 874	870 to 878	869	879 880 895	893 894	891 892
	Depths in fathoms	64 to 65	85 to 100	115 to 155	192	225 to 252	365 to 372	487 to 500
	GASTROPODA.							
N. E.	Admete Couthouyi Jay (= A. viridula Gld.)	-----	-----	* sv.	* m.	* sv.	* sv.	* m.
**	Pleurotoma Pandionis V	-----	-----	-----	-----	* 1	-----	-----
**	Pleurotoma Agassizii V. & S	-----	† 1	*†	† 1	* sv.	* m.	* m.
**	Pleurotoma Carpenteri V. & S	-----	*†	* 2	-----	-----	-----	-----
* N. E.	Bela impressa Mörch (27 to 29 fathoms)	-----	-----	-----	-----	-----	-----	-----
* N. E.	Bela tenuicostata Sars	-----	-----	-----	-----	-----	* 3	-----
* N. E.	Bela simplex Midd. (smooth)	-----	-----	-----	-----	-----	† 1	-----
**	Bela hebes Verrill	-----	-----	-----	-----	-----	-----	* sv.
N. E.	Bela violacea (Migh.) Ad. (27 to 29 fathoms)	-----	-----	-----	-----	-----	-----	-----
N. E.	Bela exarata (Möll.) Ad	-----	-----	-----	-----	* 1	* 2	* 1
**	Taranis pulchella V	-----	-----	-----	-----	-----	-----	* 1
* N. E.	Taranis Mörchii Sars	-----	-----	-----	-----	-----	† 2	-----
*?S.	Marginella roscida? Rav	† 1	-----	-----	-----	-----	-----	-----
N. A.	Neptunea decemcostata (Say) Ad	† 1	-----	† sv.	-----	-----	-----	-----
* N. E.	Neptunea propinqua (Alder)	†	† sv.	* m.	* m.	* m.	* m.	-----
**	Neptunea arata V. & S	-----	† sv.	* sv.	* sv.	†	* 1	-----
**	Neptunea cælata V	-----	-----	-----	-----	* sv.	* m.	* m.
* N. E.	Tritonofusus latericeus (Möll.) Mörch	-----	-----	-----	-----	* sv.	† sv.	-----
**	Nassa nigrolabra V	-----	-----	* 1	-----	-----	-----	-----
N. E.	Anachis costulata (Cant.)	-----	-----	-----	* m.	* sv.	* m.	-----
N. E.	Lunatia Grönlandica (Möll.) Ad	-----	† 1	† sv.	† sv.	† sv.	* sv.	-----
N. E.	Lunatia nana (Möll.) (27 to 29 fathoms)	-----	-----	-----	-----	-----	-----	-----
** N.	Lunatia levicula V. (27 to 29 fathoms)	-----	-----	-----	-----	-----	-----	-----
**	Lamellaria pellucida V	-----	* sv.	* sv.	-----	-----	-----	-----
* N. E.	Cingula Jan-Mayeni (Friele) V	-----	-----	-----	-----	* 1	* m.	* m.
N. A.	Cingula carinata Migh	-----	* 2	* 2	-----	-----	-----	-----
** N.	Cingula harpa V	-----	-----	-----	-----	-----	† 2	* 1
* N. E.	Cingula turgida (Jeff.)	-----	-----	-----	-----	-----	-----	† 1
** N.	Lovenella Whiteavesii Verrill	-----	-----	-----	-----	-----	* 2	* sv.
N. A.	Aporrhais occidentalis Beck	-----	†	* m.	† 2	† 2	† 2	-----
N. E.	Torellia vestita Jeff	-----	† 1	* sv.	*†	-----	-----	-----
**	Lepetella tubicola V. & S	-----	-----	† 1	* m.	* 3	* m.	-----
* N. E.	Acmæa rubella (Fabr.)	-----	-----	-----	-----	-----	† 1	-----
**	Scalaria Dalliana V. & S	-----	† 1	* sv.	* 3	-----	-----	-----
**	Scalaria Pourtalesii V. & S	-----	*†	† sv.	-----	-----	-----	-----
*	Scalaria (sp. ind.)	-----	* 1	-----	-----	-----	-----	-----
**	Acirsa gracilis V	-----	-----	-----	-----	-----	† 2	* 1
**	Solarium boreale V. & S	-----	-----	*†	-----	-----	-----	-----
** N.	Aclis striata V	-----	-----	† 1	-----	-----	-----	-----
* N. E.	Aclis Walleri J	-----	-----	-----	-----	-----	* 3	* 1
N. E.	Calliostoma occidentale (Migh.)	-----	-----	-----	-----	-----	* 1	-----
**	Calliostoma Bairdii V. & S	†	* m.	* m.	* m.	-----	-----	-----
**	Margarita regalis V. & S	-----	† sv.	-----	-----	* m.	* m.	* m.
**	Margarita lamellosa V. & S	-----	† 1	† 1	-----	-----	-----	-----
* E.	Cyclostrema trochoides (J.)	-----	-----	-----	-----	-----	* 2	† 2
N. E.	Puncturella noachina (L.) Lowe	-----	-----	-----	-----	* 1	-----	-----
* E.	Eulima intermedia Cantr	-----	-----	* sv.	-----	-----	-----	-----
* E.	Eulima distora Desh	-----	-----	* 1	-----	-----	-----	-----
N. A.	Turbonilla nivea (St.) Ad	-----	-----	* 1	-----	-----	-----	-----
**	Turbonilla Rathbuni V. & S	-----	-----	-----	* sv.	* sv.	* 1	-----
**	Turbonilla formosa V. &. S	-----	-----	-----	-----	-----	-----	* sv.
**	Turbonilla Smithii V	-----	* 1	* sv.	-----	-----	-----	-----
**	Odostomia sulcata V	-----	-----	† 1	-----	-----	*	-----
N. E.	Odostomia unidentata (Mont.)	-----	-----	† 1	-----	-----	-----	-----
* E.	Auriculina insculpta? (Mont.) Sars	-----	-----	-----	-----	-----	-----	-----
* N. E.	Eulimella ventricosa Forbes	-----	* 1	-----	-----	-----	-----	-----
N. A.	Ringicula nitida V	-----	-----	* sv.	-----	* sv.	* sv.	† 2
N. E.	Scaphander puncto-striata (Migh.) Ad	-----	-----	* m.	* sv.	* m.	* m.	* sv.
* N. E.	Philine Finmarchica Sars	-----	*	-----	-----	-----	-----	-----
* N. E.	Philine cingulata Sars	-----	-----	-----	-----	-----	* 1	* 1
**	Philine amabilis V	-----	-----	* sv.	-----	-----	-----	-----
* E.	Amphisphyra globosa Lovén	-----	-----	† 4	-----	-----	† 3	-----
N. E.	Amphisphyra pellucida (Brown) Lovén	-----	-----	† 2	-----	-----	*1	-----
**	Diaphana gemma V	-----	-----	-----	-----	-----	-----	-----
* E.	Diaphana conulus (Desh.) V	-----	-----	* 1	-----	-----	-----	-----
* N. E.	Diaphana nitidula (Lov.)	-----	-----	-----	-----	-----	* 4	* sv.
N. E.	Diaphana pertenuis (Mighels)	-----	-----	*	-----	-----	† 1	-----
N. E.	Cylichna occulta (Migh.) Ad	-----	*1	† 1	-----	-----	* sv.	* sv.
**	Pleurobranchæa tarda V. (27 fathoms)	* m.	* m.	* m.	*	* 1	-----	-----
**	Doris complanata V	-----	* sv.	-----	-----	-----	-----	-----
* O.	Carinaria Atlantica Ad. & R	†	-----	-----	-----	-----	-----	-----

List of Mollusca previously unknown south of Cape Cod—Continued.

	Stations	865 to 867	872 to 874	870 to 878	869	879 880 895	893 894	891 892
	Depths in fathoms	64 to 65	85 to 100	115 to 155	192	225 to 252	365 to 372	487 to 500
	PTEROPODA.							
**	Cymbulia calceolus V.	.....	.....	*	.....	* m.	.....	* 2
* O.	Cavolina uncinata (D'Orb) Gray	† 2	.....	† 2	.....	.....	† sv.	† 1
* O.	Cavolina longirostris (Les.)	† 1	.....	† sv.	.....	.....	† sv.	† sv.
* O.	Cavolina inflexa (Les.) Gray	.....	.....	.....	.....	.....	.....	† 1
* O.	Clio pyramidata Linné	† 1	.....	.....	.....	.....	† 2	† 2
* O.	Balantium recurvum Children	† 1	.....	.....	† 1	.....	.....	.....
* O.	Spirialis MacAndrei Forbes	.....	.....	.....	.....	.....	† 3	† sv.
	SOLENOCONCHA.							
N. E.	Dentalium occidentale Stimp. (=D. abyssorum Sars)	.....	† 2	* sv.	* sv.	*†	* sv.	* m.
*	Dentalium (slender var)	.....	.....	.....	.....	.....	† sv.	† sv.
**	Cadulus Pandionis V. & S	.....	* sv.	* m.	* sv.	.....	† 2	† 1
* E.	Cadulus Jeffreysii (Monteros.)	.....	.....	* m.	.....	.....	.....	.....
* E.	Cadulus propinquus G. O. Sars	.....	.....	* sv.	.....	.....	.....	.....
N. E.	Siphonodentalium vitreum Sars	.....	.....	.....	.....	.....	.....	† 1
* N. E.	Siphonentalis Lofotensis Sars	.....	.....	.....	.....	.....	.....	† 2
	LAMELLIBRANCHIATA.							
N. E.	Saxicava Norvegica (Speng.) Woodw	.....	†	†	.....	.....	.....	.....
N. E.	Cyrtodaria siliqua (Speng.) Woodw	†	.....	†	.....	.....	.....	.....
* N. E.	Poromya granulata (Nyst) F. & Han	* 1	.....	.....	.....	.....	.....	.....
* N. E.	Poromya rotundata Jeff	* 2	.....	* 1	.....	.....	.....	.....
N. E.	Neæra obesa Lovén (= N. pellucida St.)	* sv.	* m.	* m.	* 1	.....	* sv.	* m.
N. E.	Neæra arctica Lovén	.....	.....	.....	* sv.	* m.	* sv.	.....
* N. E.	Neæra glacialis G. O. Sars	.....	.....	.....	* sv.	* sv.	* m.	* 2
* E.	Neæra rostrata (Speng.) Lovén	.....	* sv.	* sv.	.....	.....	* sv.	†
* E.	Neæra jugosa S. Wood	.....	.....	.....	.....	.....	* 2	.....
**	Neæra multicostata V. & S	.....	* sv.	* sv.	.....	.....	.....	.....
* E.	Lyonsiella abyssicola Sars	.....	.....	.....	* 2	* 1	* sv.	* sv.
**	Lyonsiella gemma V	.....	.....	.....	.....	.....	.....	† 1
* N. E.	Kennerlia glacialis (Leach.) Carp	.....	* 2	.....	.....	.....	.....	.....
N. E.	Cardium Islandicum Linné	† sv.	.....	.....	.....	.....	.....	.....
**	Cardium, sp. n. (cancellated)	.....	.....	† 1	.....	.....	.....	.....
** N.	Loripes lens V. & S	† m.	* m.	* m.	† 1	.....	.....	.....
* E.	Cryptodon ferruginosus (Forbes)	.....	.....	*	.....	.....	* sv.	* sv.
* E.	Tellimya ferruginosa (Mont.)	.....	.....	.....	.....	.....	* sv.	* sv.
N. E.	Astarte crenata Gray (= A. lens St., var.)	* m.	* m	* m.	* sv.	* m.	* m.	* 1
N. E.	Nucula delphinodonta Mighels	.....	* sv.	* sv.	.....	* 1	* sv.	.....
* E.	Yoldia expansa Jeff. (?)	.....	.....	.....	.....	.....	* 2	.....
N. E.	Yoldia lucida Lovén	.....	.....	*	* sv.	* sv.	* m.	* 2
* N. E.	Yoldia frigida Torell	.....	.....	.....	.....	.....	* sv.	.....
N.	Yoldia thraciformis (Storer) Stimp	.....	.....	† 1	* sv.	* sv.	.....	.....
* S.	Leda unca Gld	† sv.	* m.	* m.	.....	.....	.....	.....
* E.	Limopsis cristata Jeff. ?	† 1	.....	† 3	.....	.....	.....	.....
* E.	Limopsis minuta (Phil.)	.....	.....	* sv.	.....	* m.	* m.	* 3
N. E.	Arca glacialis Gray	.....	* m.	* m.	* m.	* m.	* m.	* sv.
N. E.	Arca pectunculoides Sc. (? var. of last)	.....	* m.	* m.	.....	.....	* m.	.....
N. E.	Arca, var. septentrionalis	.....	.....	*	.....	.....	* sv.	.....
**	Modiola polita V. & S	.....	.....	.....	.....	* 2	.....	.....
N. E.	Crenella decussata (Mont.) Macg	* r.	.....	* r.	.....	.....	.....	.....
N. E.	Dacrydium vitreum (Möll.) Torell	.....	.....	.....	.....	.....	* m.	* m.
* S.	Avicula hirundo? var. nitida V	* m.	* 2	* 2	* 1	.....	.....	.....
N. E.	Pecten Islandicus Müller	.....	† r.	† sv.	.....	.....	.....	.....
**	Pecten (near opercularis)	.....	.....	†	.....	.....	.....	.....
* N. E.	Pecten vitreus (Gmel.) Wood	* r.	.....	† sv.	* sv.	* m.	* m.	.....
* N. E.	Pecten vitreus, var. abyssorum	.....	.....	.....	.....	*	*	.....
N. E.	Pecten Hoskynsi Forbes, var. pustulosus V	.....	.....	* 1	.....	.....	* r.	.....
* E.	Pecten fenestratus Forbes? = inequisculptus Tib	.....	* 1	* 1	.....	.....	.....	.....
* E.	Limæa subovata (Jeff.) Monteros	.....	.....	.....	.....	* 1	* m.	* sv.
	BRACHIOPODA.							
N. E.	Terebratulina septentrionalis (Couth.) (789 sv.)	.....	.....	.....	* 1	.....	* m.	.....

List of Mollusca from the outer banks previously known from the shallow waters south of Cape Cod.

	Stations	865 to 867	872 to 874	870 to 878	869	879 880 895	893 894	891 892
	Depths in fathoms	64 to 65	85 to 100	115 to 155	192	225 to 252	365 to 372	487 to 500
	CEPHALOPODA.							
N. A.	Ommastrephes illecebrosa (Les.) V	* 1					* 2	
	GASTROPODA.							
N. E.	Bela pyramidalis (Ström)							
N. E.	Buccinum undatum Linné			† 1				
N. A.	Neptunea Stimpsoni (Mörch)		† 1					
N. A.	Siphonella pygmæa (Gld.) V	†	† m.	* m.	* sv.	* sv.	* m.	
M. A.	Tritia trivittata (Say) Ad		* 1					† 1
N. E.	Astyris rosacea (Gld.) Ad	† 2	*	* m.	* 1			
N. A.	Astyris zonalis (Lins.) V			* m.			* m.	* m.
N. E.	Natica clausa Brod. & Sowerby			† sv.	† 2	* sv.	* sv.	* sv.
S. A.	Neverita duplicata (Say) Stimp			† 1				
M. A.	Lunatia heros, var. (wide umb.)		* †	† sv.		†		
M. A.	Lunatia heros, var. triseriata (Say)	† 1	† 1	† 3				
M. A.	Crucibulum striatum (Say) Ad		† 1	† 1				
M. A.	Crepidula plana Say			† 1				* † 2
N. E.	Machæroplax obscura (Couth.) Friele				† 1		* sv.	
S. A.	Turbonilla interrupta? Ad		† 1					
N. E.	Philine quadrata (Wood) Forb. & Han			† 1				* 1
N. E.	Cylichna alba (Brown) Lovén			* sv.			†	
N. E.	Dendronotus robustus V				* 1			
	PTEROPODA.							
O. E.	Cavolina tridentata Gray	†	† sv.	† m.	† sv.	† m.	† sv.	† m.
O. E.	Diacria trispinosa Gray	†		†			†	† sv.
	SOLENOCONCHA.							
N. E.	Dentalium striolatum Stimp			†				
	LAMELLIBRANCHIATA.							
N. E.	Teredo megotara Hanley		* m.			* m.		
M. A.	Ensatella Americana (Gld.) V	† 3						
M. A.	Clidiophora trilineata (Say) Carp	† 1		† 1				
M. A.	Periploma papyracea (Say) V		* 2	* sv.		* sv.		
M. A.	Thracia Conradi Couth	† sv.	† 2	† sv.				
M. A.	Spisula solidissima? Gray	† 1						
M. A.	Ceronia arctata (Con.) Ad	† sv.	† sv.	† sv.	*		† sv.	
N. E.	Macoma sabulosa (Speng.) Mörch		† 1	† sv.				
N. E.	Cyprina Islandica (Linné) Lam		† 1	* sv.				
M. A.	Callista convexa (Say) Ad		†					
M. A.	Cardium pinnulatum Conrad		†	* m.				
M. A.	Lucina filosa Stimp	† m.	†	* m.				
M. E.	Cryptodon Gouldii (Phil.) Stimp			*				
M. A.	Cryptodon obesus V	† sv.	† sv.	† m.	†			
M. A.	Solemya velum Say			† 1				
M. A.	Venericardia borealis (Con.) Carp	* m.	* m.	* m.	* 1†			
M. A.	Astarte castanea Say	†						
M. A.	Astarte quadrans Gld	?						
M. A.	Astarte undata Gld	† m.	* m.	* 1				
M. A.	Nucula proxima Say		* sv.	*		* sv.		
N. E.	Yoldia sapotilla (Gld.) Stimp	* sv.	* m.	* m.	†			
M. E.	Modiola modiolus (Linné) Turton			* 1				
M. A.	Crenella glandula (Totten) Ad	†						
M. A.	Pecten tenuicostatus Migh	* m.	* sv.	† sv.				
N. E.	Anomia aculeata Müll	* m.	* sv.	* sv.	*			

*List of recent additions to shallow-water Mollusca of Southern New England.**

Parasira catenulata Steenstrup. Oceanic. Mediterranean.
**Truncatula truncatulus* (Drap.). Littoral. European.
Littorina littorea. Littoral; abundant. European.
**Assiminea Grayana* Leach. Littoral. European.
Ancula cristata Lovén. Northern and European.
***Polycerella Emertoni* Verrill. Littoral.
Scyllæa Edwardsii Verrill. Littoral. Southern and oceanic.
Coryphella Mananensis (Stimp.) Verrill. Off Race Point, Long Island Sound, 40 fathoms.
Stiliger fuscata, (Gld.) Bergh. Massachusetts Bay.
Terebratulina septentrionalis (Couth.). Off Block Island, 15 fathoms. Northern.

DESCRIPTION OF A NEW SPECIES OF NEMICHTHYS (NEMICHTHYS AVOCETTA), FROM PUGET SOUND.

By DAVID S. JORDAN and CHARLES H. GILBERT.

Nemichthys avocetta, sp. nov.

Color translucent white, the lower half of the body covered with small, round, black spots, sharply defined; among these some smaller spots. Belly near the median line black. Upper half of body plain, colorless. Pectorals and dorsal plain. Anal speckled.

Body band-shaped, but not strongly compressed; deepest in the middle, tapering behind to the long and very slender filament-like tail, and anteriorly to a very long and slender neck, which contracts immediately behind the head. Skin smooth. No lateral line.

Head proper small, short and rather broad; concave between the eyes, with two median ridges; full and broad behind the eyes, with three longitudinal ridges. Lower part of head narrow, sharp, so that the head would be triangular in a vertical section. Eye very large, vertically placed, its length one-third that of the head without snout. Nostrils each simple (two on each side), rather large, close in front of eye, without tube or flap. Maxillary extending to close behind the eye, the mandible somewhat farther. Jaws prolonged, becoming very slender, long, acuminate, needle-like at tip, somewhat recurved. Upper jaw the longer, and nearly four times the length of the rest of the head, being 7–8 times its greatest depth. Both jaws with small, very numer-

* Some of the species here included were discovered in 1875 and 1876, and have been recorded in the American Journal of Science. Those with an asterisk prefixed were first discovered on our coast this season, or else have not been previously recorded. For additional species, not included in my Report on Invertebrates of Vineyard Sound, &c., 1873, see American Journal of Science, x, pp. 40, 41, July, 1876.

ous, retrorse, close-set, sharp teeth. Jaws bony, their lateral surfaces with retrorse roughnesses. Head naked, covered with skin.

Gill-openings rather large, oblique, running downward and forward, separated by a rather narrow isthmus. Pectorals well developed, half longer than eye. No ventrals. Vent under middle of the length of the pectorals (when depressed); the anal fin beginning close behind it and extending to the tail; its rays soft and rather slender; the membrane delicate; its height greatest near the middle and anteriorly, where it is somewhat less than height of body, becoming obsolete on the long caudal filament. Dorsal similar to anal, but lower, beginning close behind the occiput and running to the tail.

Table of measurements.

	Inches	100ths of length.
Extreme length	21.40	100
Body:		
Greatest depth	.33	1.6
Depth at neck	.15	.8
Head:		
Greatest length	2.10	10
Greatest depth	.25	1.2
Length of snout	1.70	7.6
Diameter of orbit	.18	1
Anal:		
Greatest height	.28	1.3
Pectoral:		
Length	.30	1.5

The specimen which is the type of the present description was taken in May, 1880, in the harbor of Port Gamble, and was placed by its captor in the museum of the University of Washington Territory, at Seattle. The president of the university, Prof. A. J. Anderson, presented it to the United States National Museum. Its movements in the water are said to be extremely active.

Fishes of this type offer comparatively few specific characters, and we are able to separate this species from *Nemichthys scolopaceus* Rich. of the Atlantic by differences in proportion only. According to the detailed description and figure of the latter species given by Lowe and Brandt (*Leptorhynchus* or *Belonopsis leuchtenbergi*, Mém. Acad. St. Pétersb. Sav. Étrang., 1854, vii, 171–174), *Nemichthys avocetta* is distinguished by the much slenderer head, longer beak, and higher anal fin, the greatest height of the latter being nearly equal to the length of the pectoral and more than the depth of the head. So far as known to us, this is the first species of the genus thus far taken in the Pacific. A recent newspaper account of the capture of a sea-serpent at Victoria, British Columbia, perhaps refers to a second example of the same species.

SEATTLE, WASH., *June* 10, 1880.

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